

## **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Robert W. McMillan et al.

Group Art Unit: (Not Assigned)

Title: Real-Time Imaging Spectropolarimeter Based on an Optical Modulator

Application

Serial No.: (Not Assigned)

Examiner: (Not Assigned)

Filed On: October 21, 2003

Atty. Docket No.: 02-05

### **INFORMATION DISCLOSURE STATEMENT**

Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. § 1.97b, the documents listed on the attached form PTO-1449 are being brought to the attention of the Examiner for consideration in connection with the examination of the above-identified patent application. Copies of the cited publications are enclosed herewith.

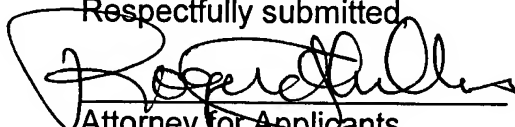
This statement is being submitted within three months of filing of the above-captioned application so the items submitted herewith should therefore be considered without necessity of a certification, petition or fee.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

The filing of this information disclosure statement shall not be construed that the information cited is entitled to prior art status relevant to this application or as an admission against interest in any manner.

Each document dated less than one year prior to the effective filing date of this application is expressly not admitted to be prior art with respect to this application, but rather is being brought to the attention of the Examiner as indicative of the state of the art.

It is respectfully requested the Examiner indicate, consideration of the cited references by returning a copy of the attached form PTO-1449 with initials or other appropriate marks.

Respectfully submitted,  
  
Attorney for Applicants  
Roger C. Phillips  
Reg. No. 37,418

USASMDC  
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Date: October 21, 2003

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Substitute for form 1449/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

**Application Number**

Filing Date

**First Named Inventor**

## Art Unit

**Examiner Name**

**Attorney Docket Number**

21 October 2003

**McMillan, Robert W.**

02-05

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## U. S. PATENT DOCUMENTS

[illegible]

**FOREIGN PATENT DOCUMENTS**

[illegible]

**Examiner  
Signature**

Date  
Cons

**Considered**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

**Complete if Known**

<b>Application Number</b>	<b>Filing Date</b>	October 21, 2003
	<b>First Named Inventor</b>	McMillan, Robert W.
	<b>Art Unit</b>	
	<b>Examiner Name</b>	
	<b>Attorney Docket Number</b>	02-05

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of

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**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Iannarilli et al., "Polarimetric-Spectral Intensity Modulation (P-SIM)...Imaging", SPIE Conference, Orlando, FL, Apr. 1999,	
		Oka, K. and Kato, T. "Spectroscopic Polarimetry...Spectrum", Optics Letters, Nov. 1, 1999, Vol. 24	
		Sabatke et al, "Optimization of Retardance...Polarimeter", Optics Letters, Vol. 25, No. 11, June 1, 2000	
		Goldsmith, P., "Quasioptical Systems", IEEE Press, PP. 71-77	
		Born, M. and Wolf, E., "Principles of Optics", Pergamon Press PP. 30-32 and 554-555.	
		McMillan et al., "An Experimental 225 GHz Pulsed Coherent Radar", Transactions on Microwave Theory and Techniques, Mar. 1991	
		Gribbin, J. "Schrodinger's Kittens...Reality", PP. 109-115	
		Sabatke et al. "A Snapshot Imaging Spectropolarimeter", Proceed. of the Multi/Hyperspectral Sensors...Workshop, Redstone Arsenal, 7-9 Nov. 2000	
		U.S. Patent Application No. 10/341,151, filed 13 January 2003, Entitled "A Device and Method For Determining all Components of the Stokes Polarization Vector Within a Radar Signal"	
		M. STRASSNER, C. LUBER, A. TARRAF, AND N. CHITICA, "Widely Tunable Constant Bandwidth Monolithic Fabry-Perot Filter With a Stable Cavity Design for WDM Systems", IEEE Photonics, Vol. 14, Nov. 2002, pp. 1548-1550	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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